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NOTICE OF ALLOWANCE AND FEE(S) DUE

26652	

7500

08/11/2008

AT&T CORP. ROOM 2A207 ONE AT&T WAY BEDMINSTER, NJ 07921

EXAMINER				
VY, HUNG T				
ART UNIT	PAPER NUMBER			
2163				

DATE MAILED: 08/11/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/748.832	12/30/2003	Nikolaos Koudas	ATT-105AUS	2786

TITLE OF INVENTION: METHOD OF PATTERN SEARCHING

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$0	\$0	\$1440	11/12/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where m

appropriate. All further indicated unless correct maintenance fee notification	ed below or directed oth	ng the Patent, advance on the nerwise in Block 1, by (a	rders and notification and specifying a new co	of ma orresp	aintenance fees wondence address;	rill be and/or	mailed to the current (b) indicating a separ	correspondence addi- ate "FEE ADDRES	ress as SS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address) 26652 7590 08/11/2008				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, mushave its own certificate of mailing or transmission.				anving	
AT&T CORP. ROOM 2A207 ONE AT&T WA	ΑY	72008		States	eby certify that this Postal Service w	is Fee(ith suf	of Mailing or Transr s) Transmittal is being ficient postage for first ISSUE FEE address 1) 273-2885, on the da	deposited with the U	velope
BEDMINSTER	, NJ 07921		[(Depositor's	s name)
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APPLICATION NO.	FILING DATE		FIRST NAMED INVENT	ГOR		ATTO	RNEY DOCKET NO.	CONFIRMATION N	Ю.
10/748,832 TITLE OF INVENTION	12/30/2003 I: METHOD OF PATTE	RN SEARCHING	Nikolaos Koudas				ATT-105AUS	2786	
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE D	UE	PREV. PAID ISSUE	E FEE	TOTAL FEE(S) DUE	DATE DUE	
nonprovisional	NO	\$1440	\$0		\$0		\$1440	11/12/2008	
EXAM	IINER	ART UNIT	CLASS-SUBCLASS						
VY, H	UNG T	2163	707-006000						
"Fee Address" ind PTO/SB/47; Rev 03-(Number is required. 3. ASSIGNEE NAME A PLEASE NOTE: Un	ND RESIDENCE DATA less an assignee is ident h in 37 CFR 3.11. Comp	" Indication form	data will appear on th	inative ingle or ag attorr I be p r type ne pat	firm (having as a gent) and the name news or agents. If in the name news or agents. If it is the name news or agents. If it is the name news of the name news is not	membes of uno name	er a 2p to lee is 3	cument has been fil	led for
		categories (will not be pr	•						nment
4a. The following fee(s) are submitted: ☐ Issue Fee ☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies			 4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) A check is enclosed. Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form). 						
5. Change in Entity Sta	tus (from status indicated as SMALL ENTITY state		☐ b. Applicant is no.	longe	er claiming SMAI	L EN	ΓΙΤΥ status. See 37 CF	R 1 27(g)(2)	
* *		uired) will not be accepte tes Patent and Trademark	* *	_	_				arty in
interest as snown by the	records of the United Sta	nes Patent and Trademark	Conice.						
Authorized Signature					Date				
Typed or printed name					Registration N	o			
an application Confiden	tiality is governed by 35 dapplication form to the ions for reducing this but irginia 22313-1450. DO	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to th O NOT SEND FEES OR	1.14 This collection is	eetir	mated to take 12 r	ninuted	to complete including	raatherina preparin	na and

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AT&T CORP.			VY, H	JNG T
ROOM 2A207			ART UNIT	PAPER NUMBER
ONE AT&T WAY BEDMINSTER, N			2163 DATE MAILED: 08/11/200	8

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 208 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 208 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)
Notice of Allowability	10/748,832 Examiner	KOUDAS ET AL. Art Unit
none or monasmy		Ait oilit
	HUNG T. VY	2163
The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this or other appropriate communical IGHTS. This application is subjection	s application. If not included ation will be mailed in due course. THIS
1. This communication is responsive to <u>03/21/2008</u> .		
2. The allowed claim(s) is/are <u>1-8</u> .		
3. ☐ Acknowledgment is made of a claim for foreign priority u a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have	e been received.	,
2. Certified copies of the priority documents have	• •	
Copies of the certified copies of the priority do	cuments have been received in	this national stage application from the
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		eply complying with the requirements
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which giv		
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.	
(a) ☐ including changes required by the Notice of Draftspers		PTO-948) attached
1) hereto or 2) to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner' Paper No./Mail Date	s Amendment / Comment or in t	he Office action of
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in		
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT		
Attachment(s)	_	
1. Notice of References Cited (PTO-892)	5. Notice of Inform	nal Patent Application
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Sumn	
3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date	Paper No./Mai 7.	endment/Comment
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material		tement of Reasons for Allowance
	9.	
	/Hung T Vy/ Primary Examiner, Art	Unit 2163

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Art Unit: 2163

1. This is a response to Applicant's response and RCE filed on 03/21/2008. By virtue of this amendment, claims 1-8 remain pending in this application. Claims 1-8 are allowed.

Examiner's remarks

2. Applicant's argument about the 35 U.S.C 101 and 35 U.S.C 112 are persuasive, therefore, the previous office action is withdrawn.

Reasons for Allowance

3. Claims 1-8 are allowed.

The following is an examiner's statement of reason for allowance:

Claims 1 and 6 are considered allowable since the prior made of record and considered pertinent to the applicant's disclosure does not teach or suggest the claimed limitations.

Borson (U.S. pub. US 20030237047A1) and FairWeather (U.S. Patent No. US007308449B2) disclose not discloses appending to an output join list if it is determined that a second attribute of a current node in the potential descendant list is less than a second attribute of a current node in the potential ancestor lit and a first attribute of the current node of the potential ancestor list is less than a first attribute of the current node of the potential descendant list, a second attribute of the current node of the potential descendant list is less than a second attribute of the current node of the potential ancestor list, and a level number of the current node of the potential descendant list is equal to a level number plus one of the current node of the potential list.

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Claims 2-5 and 7-8 are allowable by virtue of their dependencies on claims 1

and 6.

4. Any comments considered necessary by applicant must be submitted no later

than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance".

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Hung T. Vy whose telephone number is 571-2721954.

The examiner can normally be reached on 8.30am - 5.30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Don Wong can be reached on 571 272 1834. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

/Hung T Vy/

Primary Examiner, Art Unit 2163

August 2, 2008.

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